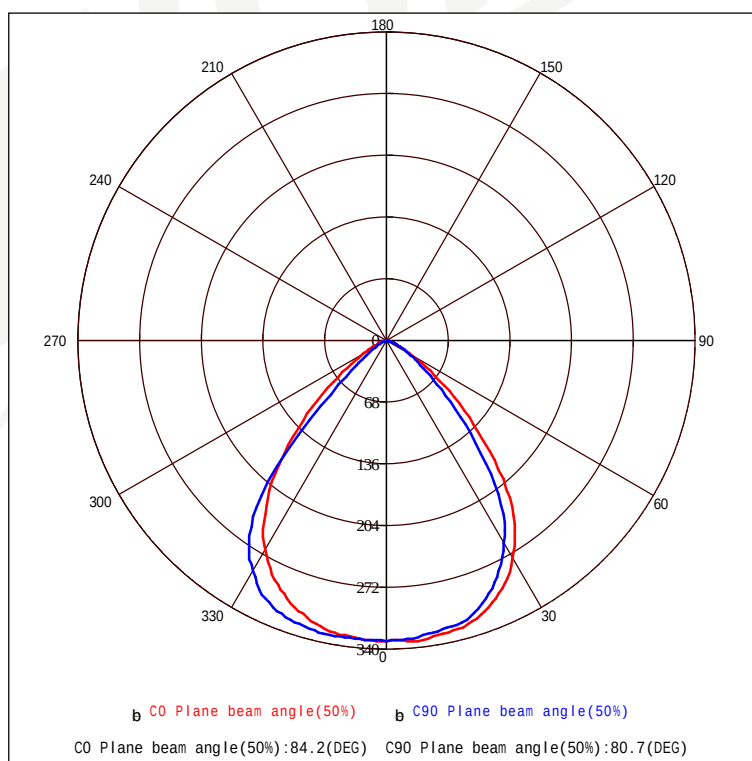


Goniophotometer Test Report

Measured Para U: 222.6V I: 51.1mA P: 6.82W PF: 0.600 Test LM: 558.83lm						
Lamp Name: Led Flood light			Lamp Type:		Weight(kg):	
Lamp ID: LPGSL-07A01-Y			Lamp Spec: LPFL7A		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL7A		Peak Value(cd)	333.8	Efficiency(lm/w)	81.9
Nominal P(w)		1.0	Position	315.0,7.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	558.826	Down(C0-C180)	49.8
Rated Flux(lm)		1.0	Up Flux Rate(%)	0.0	UP(C180-C360)	0.0
Illuminant QTY		1	Dw Flux Rate(%)	100.0	Down(C180-C360)	50.2

Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

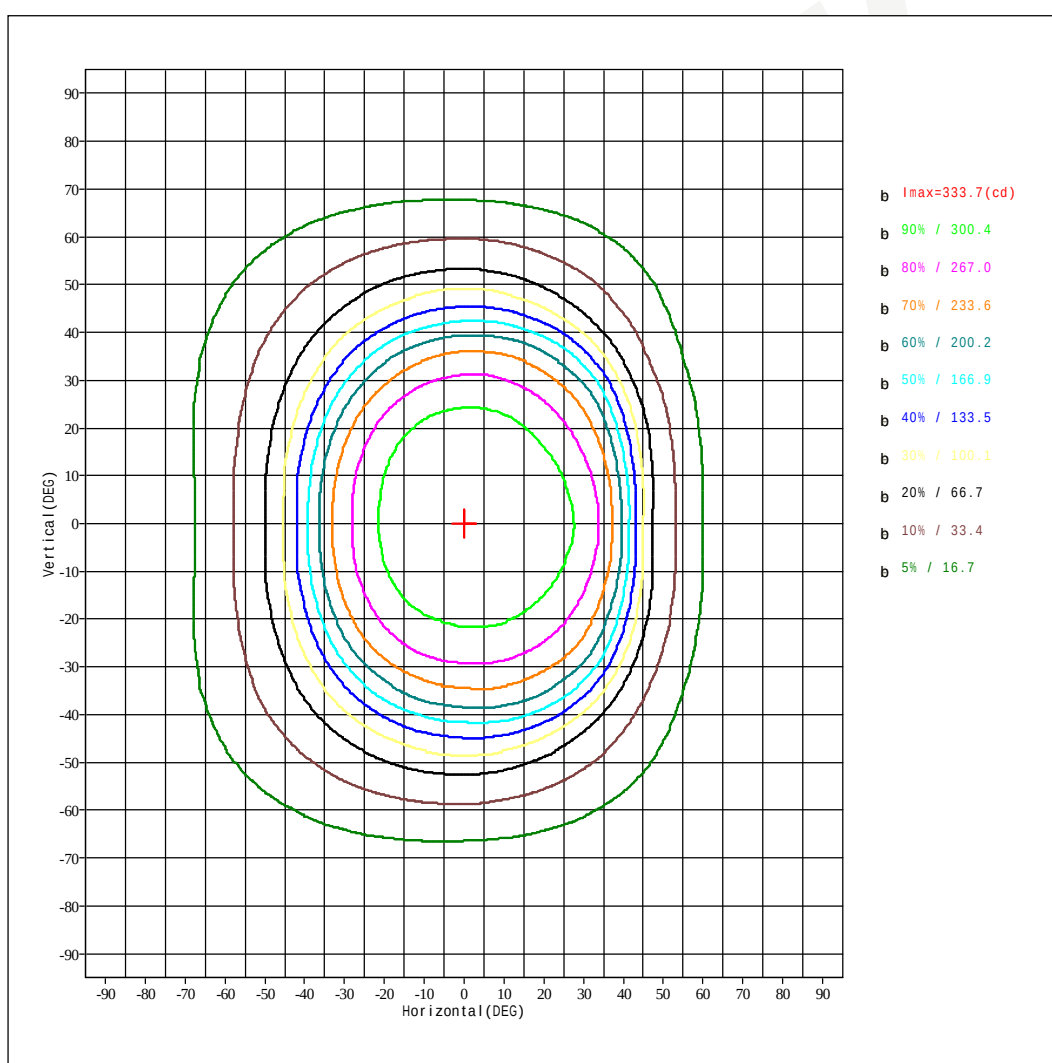
Humidity(%): 60

Date: 2025-2-19

Remark:

Measured Para U: 222.6V I: 51.1mA P: 6.82W PF: 0.600 Test LM: 558.83lm		
Lamp Name: Led Flood light	Lamp Type:	Weight(kg):
Lamp ID: LPFL7A	Lamp Spec: LPFL7A	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Planar IsoCandela Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

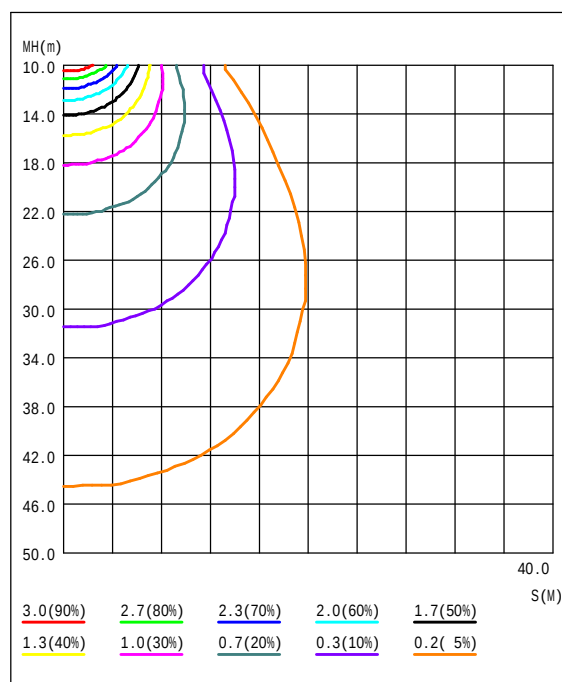
Humidity(%): 60

Date: 2025-2-19

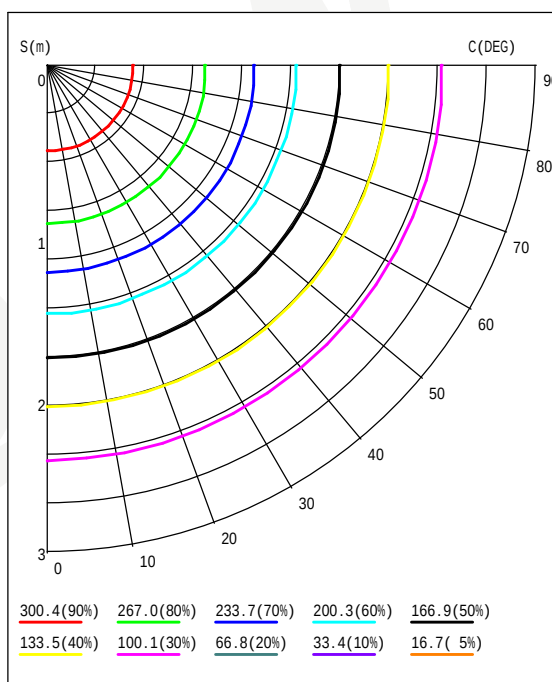
Remark:

Measured Para U: 222.6V I: 51.1mA P: 6.82W PF: 0.600 Test LM: 558.83lm		
Lamp Name: Led Flood light	Lamp Type:	Weight(kg):
Lamp ID: LPFL7A	Lamp Spec: LPFL7A	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Spacial ISOLUX Curve



Planar ISOLUX Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2025-2-19

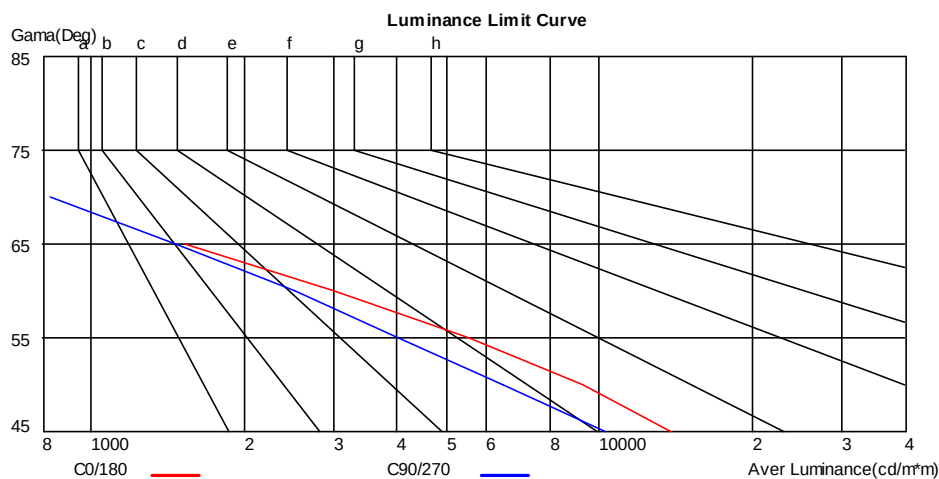
Remark:

Measured Para U: 222.6V I: 51.1mA P: 6.82W PF: 0.600 Test LM: 558.83lm		
Lamp Name: Led Flood light	Lamp Type:	Weight(kg):
Lamp ID: LPFL7A	Lamp Spec: LPFL7A	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Luminance Limit Curve

Aver Luminance(cd/m²m)									
Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	13875.8	9308.0	5531.1	2998.8	1532.7	721.8	360.6	217.6	188.7
C90	10299.3	6461.6	4012.6	2520.1	1460.7	829.1	376.8	279.3	201.9

Glare									
Glare	Class	Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

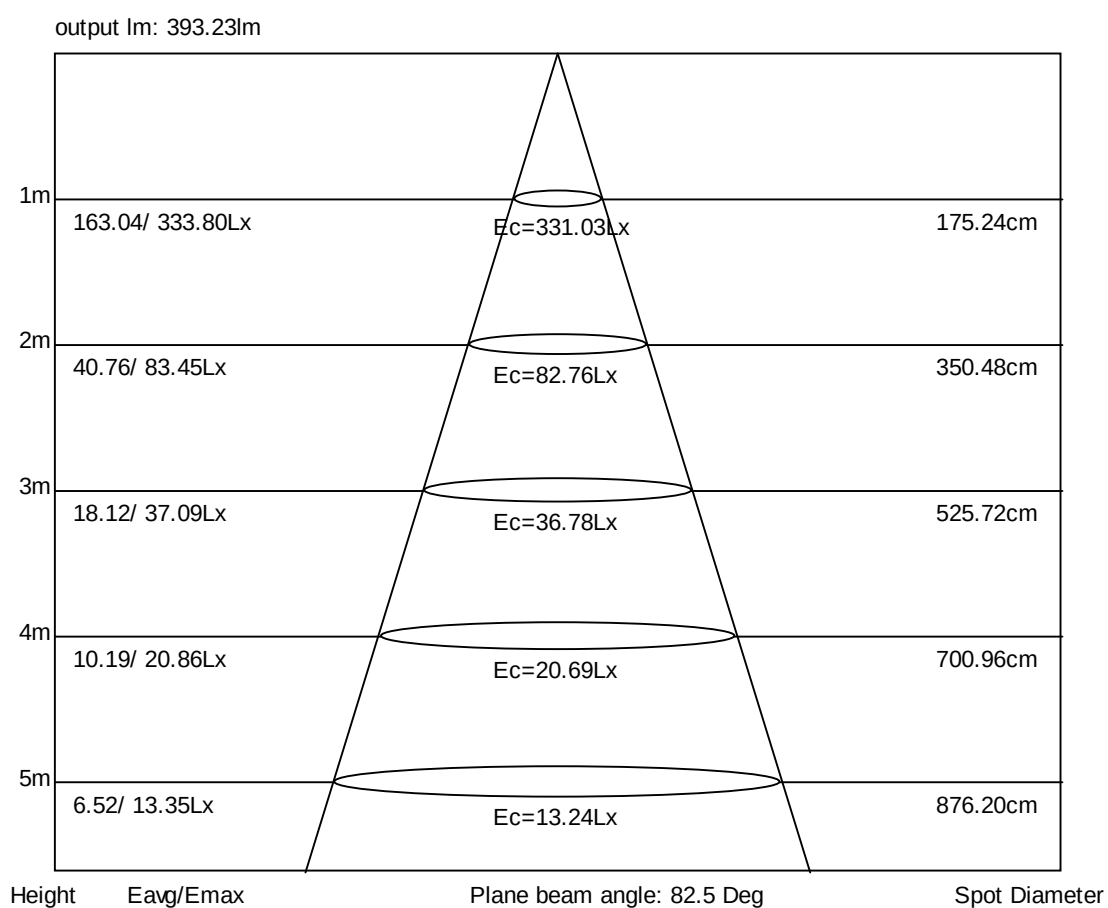
Humidity(%): 60

Date: 2025-2-19

Remark:

Measured Para U: 222.6V I: 51.1mA P: 6.82W PF: 0.600 Test LM: 558.83lm		
Lamp Name: Led Flood light	Lamp Type:	Weight(kg):
Lamp ID: LPFL7A	Lamp Spec: LPFL7A	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Average Illumination



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

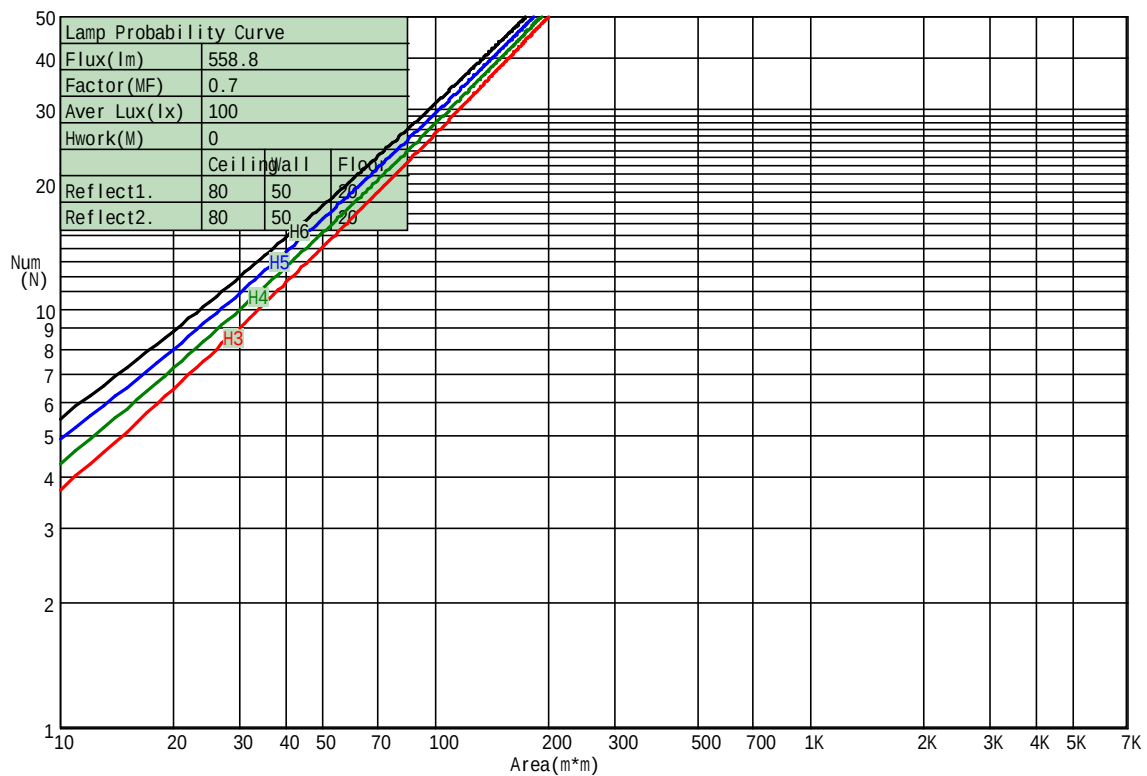
Humidity(%): 60

Date: 2025-2-19

Remark:

Measured Para U: 222.6V I: 51.1mA P: 6.82W PF: 0.600 Test LM: 558.83lm		
Lamp Name: Led Flood light	Lamp Type:	Weight(kg):
Lamp ID: LPFL7A	Lamp Spec: LPFL7A	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Lamp Probability Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2025-2-19

Remark:

Measured Para U: 222.6V I: 51.1mA P: 6.82W PF: 0.600 Test LM: 558.83lm		
Lamp Name: Led Flood light	Lamp Type:	Weight(kg):
Lamp ID: LPFL7A	Lamp Spec: LPFL7A	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

UF Table

Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
Wall	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3
Floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
0.60	59	45	37	57	44	36	54	43	36
0.80	60	45	34	58	44	34	54	42	33
1.00	62	45	34	59	44	33	55	42	32
1.25	63	45	32	60	44	32	55	41	30
1.50	64	46	32	61	44	31	55	41	29
2.00	67	47	32	63	45	31	56	41	28
2.50	68	48	31	64	45	30	56	41	27
3.00	69	49	31	64	46	30	56	41	27
4.00	70	50	32	66	47	30	57	41	27
5.00	71	51	33	67	48	31	58	42	27

CoEfficients Utilization

Ceiling(%)		0			0			0			0			0	
Wall(%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Floor (%)		0			0			0			0			0	
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02
1	1.09	1.06	1.03	1.07	1.04	1.01	1.02	1	0.98	0.99	0.97	0.95	0.95	0.94	0.92
2	0.99	0.94	0.9	0.97	0.93	0.89	0.94	0.9	0.87	0.91	0.88	0.85	0.88	0.85	0.83
3	0.9	0.84	0.79	0.89	0.83	0.78	0.86	0.81	0.77	0.83	0.79	0.76	0.81	0.78	0.75
4	0.82	0.75	0.7	0.81	0.75	0.7	0.79	0.73	0.69	0.77	0.72	0.68	0.75	0.71	0.67
5	0.75	0.68	0.63	0.74	0.68	0.63	0.72	0.66	0.62	0.71	0.65	0.61	0.69	0.64	0.61
6	0.69	0.62	0.57	0.68	0.61	0.56	0.67	0.61	0.56	0.65	0.6	0.56	0.64	0.59	0.55
7	0.64	0.56	0.51	0.63	0.56	0.51	0.62	0.55	0.51	0.6	0.55	0.51	0.59	0.54	0.5
8	0.59	0.52	0.47	0.58	0.51	0.47	0.57	0.51	0.46	0.56	0.5	0.46	0.55	0.5	0.46
9	0.55	0.48	0.43	0.54	0.47	0.43	0.53	0.47	0.43	0.52	0.46	0.42	0.51	0.46	0.42
10	0.51	0.44	0.39	0.5	0.44	0.39	0.5	0.43	0.39	0.49	0.43	0.39	0.48	0.43	0.39

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2025-2-19

Remark:

Measured Para U: 222.6V I: 51.1mA P: 6.82W PF: 0.600 Test LM: 558.83lm															
Lamp Name: Led Flood light								Lamp Type:				Weight(kg):			
Lamp ID: LPFL7A								Lamp Spec: LPFL7A				Shape Size:			
Manufactory: LIPER								Sur(m^2):				Protect Angle(Deg):			

Wall Exitance CoEfficients

Ceiling(%)		0			0			0			0			0	
Wall(%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Floor (%)		0			0			0			0			0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0.22	0.12	0.04	0.21	0.12	0.04	0.2	0.11	0.04	0.19	0.11	0.03	0.17	0.1	0.03
2	0.21	0.12	0.04	0.2	0.11	0.03	0.19	0.11	0.03	0.18	0.1	0.03	0.17	0.1	0.03
3	0.2	0.11	0.03	0.2	0.11	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.17	0.09	0.03
4	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.16	0.09	0.03
5	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.16	0.09	0.03	0.16	0.08	0.03
6	0.17	0.09	0.02	0.17	0.09	0.02	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02
7	0.16	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.14	0.08	0.02
8	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02
9	0.15	0.07	0.02	0.15	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02	0.13	0.07	0.02
10	0.14	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02	0.13	0.07	0.02	0.13	0.06	0.02

Ceiling Cavity Exitance CoEfficients

Ceiling(%)		0			0			0			0			0	
Wall(%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Floor (%)		0			0			0			0			0	
0	0.19	0.19	0.19	0.16	0.16	0.16	0.11	0.11	0.11	0.06	0.06	0.06	0.02	0.02	0.02
1	0.17	0.16	0.14	0.15	0.13	0.12	0.1	0.09	0.08	0.06	0.05	0.05	0.02	0.02	0.02
2	0.16	0.13	0.11	0.14	0.11	0.09	0.09	0.08	0.07	0.05	0.05	0.04	0.02	0.01	0.01
3	0.15	0.11	0.08	0.13	0.1	0.07	0.09	0.07	0.05	0.05	0.04	0.03	0.02	0.01	0.01
4	0.14	0.1	0.07	0.12	0.09	0.06	0.08	0.06	0.04	0.05	0.04	0.02	0.02	0.01	0.01
5	0.14	0.09	0.05	0.12	0.08	0.05	0.08	0.05	0.03	0.05	0.03	0.02	0.01	0.01	0.01
6	0.13	0.08	0.05	0.11	0.07	0.04	0.08	0.05	0.03	0.04	0.03	0.02	0.01	0.01	0.01
7	0.12	0.07	0.04	0.11	0.06	0.03	0.07	0.04	0.02	0.04	0.03	0.01	0.01	0.01	0
8	0.12	0.07	0.03	0.1	0.06	0.03	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
9	0.11	0.06	0.03	0.1	0.05	0.02	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
10	0.11	0.06	0.02	0.09	0.05	0.02	0.06	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2025-2-19

Remark:

Measured Para U: 222.6V I: 51.1mA P: 6.82W PF: 0.600 Test LM: 558.83lm		
Lamp Name: Led Flood light	Lamp Type:	Weight(kg):
Lamp ID: LPFL7A	Lamp Spec: LPFL7A	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Ring-shaped Flux Data Table

Gm\C(Deg)	0	45	90	135	180	225	270	315	Range	Ring	T(lm)
5	333	329	330	329	329	329	331	332	0-5	7.91	7.91
10	329	328	324	324	327	328	331	332	5-10	23.6	31.5
15	326	322	322	318	319	324	329	328	10-15	38.6	70.1
20	316	314	308	309	307	315	324	319	15-20	52.6	123
25	300	295	285	288	290	299	314	302	20-25	64.1	187
30	276	266	255	262	265	278	291	279	25-30	71.9	259
35	243	227	216	225	229	252	258	253	30-35	75.2	334
40	194	177	157	176	185	210	194	212	35-40	71.4	405
45	139	121	103	121	133	143	93.3	145	40-45	57.8	463
50	93.1	78.1	64.6	78	87.8	68	41.1	69.2	45-50	39.1	502
55	55.3	48.6	40.1	49.2	50.1	30.8	23.2	31.2	50-55	24	526
60	30	29.8	25.2	30.4	26.6	14.7	12.5	14.6	55-60	14.4	540
65	15.3	18.1	14.6	18.7	13.3	6.42	5.01	6.33	60-65	8.31	549
70	7.22	10.3	8.29	10.8	6.13	2.41	1.57	2.38	65-70	4.48	553
75	3.61	5.69	3.77	5.83	2.77	1.11	1.25	1.16	70-75	2.3	556
80	2.18	3.47	2.79	3.36	1.57	1.13	1.27	1.18	75-80	1.37	557
85	1.89	2.22	2.02	2.19	1.37	1.21	1.32	1.25	80-85	1.02	558
90	1.9	2.01	1.98	2.02	1.38	1.28	1.38	1.34	85-90	0.91	559
95									90-95		
100									95-100		
105									100-105		
110									105-110		
115									110-115		
120									115-120		
125									120-125		
130									125-130		
135									130-135		
140									135-140		
145									140-145		
150									145-150		
155									150-155		
160									155-160		
165									160-165		
170									165-170		
175									170-175		
180									175-180		

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2025-2-19

Remark:

Measured Para U: 222.6V I: 51.1mA P: 6.82W PF: 0.600 Test LM: 558.83lm		
Lamp Name: Led Flood light	Lamp Type:	Weight(kg):
Lamp ID: LPFL7A	Lamp Spec: LPFL7A	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

CD Table

Gm\C(Deg)	0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340
5.0	333	331	329	329	330	330	329	329	329	329	329	329	330	331	331	332	332	332
10.0	329	329	328	326	325	324	324	324	326	327	327	328	329	330	331	332	332	331
15.0	326	324	322	322	322	321	319	318	318	319	321	323	325	328	328	328	327	327
20.0	316	315	314	312	309	308	309	309	308	307	310	314	318	322	323	321	319	318
25.0	300	298	296	292	287	286	287	288	289	290	294	298	304	310	311	306	302	301
30.0	276	271	267	262	257	257	260	263	264	265	271	277	282	289	289	283	278	277
35.0	243	236	229	223	218	218	222	225	227	229	239	249	254	257	257	254	252	247
40.0	194	186	178	170	161	161	169	177	181	185	196	207	205	198	198	206	210	202
45.0	139	131	123	115	107	107	115	123	128	133	137	142	127	104	105	128	144	141
50.0	93.1	86.5	79.8	73.7	67.6	67.6	73.6	79.1	83.5	87.8	79.2	70.2	59.2	47	47.3	60	71.8	82.6
55.0	55.3	52.4	49.3	45.8	42	42.1	46.2	49.3	49.7	50.1	41.7	32.9	28.3	24.9	24.9	28.5	33.8	44.8
60.0	30	29.9	29.8	28.3	26.2	26.3	28.7	30	28.3	26.6	21.4	16	14	13	13	13.9	16.3	23.3
65.0	15.3	16.5	17.8	16.9	15.4	15.5	17.3	18.1	15.6	13.3	10.3	7.17	5.96	5.32	5.3	5.9	7.31	11.4
70.0	7.22	8.56	9.95	9.63	8.73	8.84	9.98	10.3	8.17	6.13	4.5	2.81	2.13	1.75	1.75	2.11	2.91	5.1
75.0	3.61	4.52	5.47	5.06	4.19	4.22	5.15	5.5	4.11	2.77	2.04	1.29	1.16	1.22	1.23	1.19	1.42	2.53
80.0	2.18	2.74	3.33	3.25	2.94	2.92	3.17	3.17	2.36	1.57	1.38	1.18	1.18	1.24	1.25	1.21	1.29	1.74
85.0	1.89	2.03	2.19	2.16	2.06	2.06	2.13	2.1	1.73	1.37	1.3	1.23	1.25	1.29	1.3	1.27	1.32	1.61
90.0	1.9	1.95	2	2	1.99	1.99	2.01	1.95	1.66	1.38	1.34	1.29	1.31	1.36	1.37	1.35	1.4	1.65
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
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165.0																		
170.0																		
175.0																		
180.0																		

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2025-2-19

Remark: